



National Weather Service

Storm Data and Unusual Weather Phenomena



June 2003

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
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KENTUCKY, Northeast

Carter County

Countywide

16	1715EST 1830EST		1	0	15K	Flash Flood
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Localized downpours of 2 inches flooded roads around Hitchens. Three spelunkers were in one of the caves around Carter Caves. They were walking in a underground stream, heading toward a cave exit. They were about 20 feet from the exit, when a 4 to 5 foot surge of water entered the cave. The first hiker, a 23 year old man, was knocked down and carried back into the cave. His body was later recovered about 300 feet back into the cave.

M23OT

Carter County

Hitchens

17	0515EST 0700EST		0	0	20K	Flash Flood
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Little Fork flooded and closed Route 1, south of Grayson.

Boyd County

Rush

17	1715EST 1930EST		0	0	100K	Flash Flood
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On the order of 15 homes were evacuated along Rush Creek. The East Fork also flooded. Three pumping stations were damaged by flood waters.

Carter County

Grayson to Williams Creek

17	1800EST 1930EST		0	0	200K	Flash Flood
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Williams Creek flooded roads. About a dozen homes were flooded around Grayson.

OHIO, Southeast

Vinton County

Hue

14	1915EST 2045EST		0	0	10K	Flash Flood
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Headwaters of Brushy Fork flooded. Roads were blocked.

Washington County

Belpre to Marietta

14	1930EST 2100EST		0	0	50K	Flash Flood
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Marietta measured 2 inches of rain in 90 minutes. In that community, cars were stranded, and a few homes received water damage. Route 618 was damaged near Belpre.

Athens County

4 NW The Plains to The Plains

14	2000EST 2130EST		0	0	10K	Flash Flood
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Overflowing streams, such as Hamley Run, blocked roads.

Athens County

Albany

16	1330EST 1430EST		0	0	5K	Flash Flood
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About 2 inches of rain flooded small streams and roads near Lake Snowden and Albany. No dwellings were reported flooded.

Lawrence County

Waterloo to Arabia

16	1715EST 1930EST		0	0	15K	Flash Flood
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Small streams feeding into Symmes Creek around Waterloo and Arabia flooded roads, including Route 141, after localized downpours of around 3 inches.

Washington County

Vincent to Tunnel

19	1500EST 1600EST		0	0	150K	Flash Flood
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Rains of 2.5 to 3 inches fell in 90 minutes or less. Roads were flooded. One vehicle was flooded by Tupper Creek. Warren Township had water into several basements. A few evacuations were required along Route 150.



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		Local/ Standard	Length (Miles)	Width (Yards)	Killed	Injured	Property	Crops	

OHIO, Southeast

Gallia County

North Portion

19	1530EST 1630EST				0	0	200K		Flash Flood
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A rain gauge near Vinton measured 2.8 inches of rain in less than 90 minutes. The Emergency Management Agency reported several roads inundated by high water. Water was 1 to 2 feet deep on Route 160. Water was up and around several mobile homes.

Meigs County

South Portion

19	1615EST 1700EST				0	0	200K		Flash Flood
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Estimated rains of 2 to 3 inches fell in less than 90 minutes. Thomas Fork flooded roads. Urban flooding occurred in Pomeroy and Middleport, with street and basement flooding.

VIRGINIA, Northwest

NONE REPORTED.

WEST VIRGINIA, West

Mingo County

Matewan

11	1340EST				0	0			Hail(0.88)
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Kanawha County

Charleston to Elkview

11	1425EST 1615EST				0	0	3M		Flash Flood
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Thunderstorm cells developed and intensified on the north side of a large complex of showers. Rains of 2.5 to 3.5 inches fell between 1340 and 1500E, in a narrow corridor from the Fort Hill section of Charleston on northeast, toward Big Chimney, Pinch, and Elkview. Charleston's airport received 2.4 inches of rain. Meanwhile, further east, the State Capital area of Charleston had less than 0.75 inches. Prior to these downpours, the ground was dampened by a lighter thunderstorm. Around a third of an inch of rain was measured at the airport between 1000 and 1100E. Also, 4 days earlier, on the 7th, an inch fell.

Severe flash flooding occurred. Flooding was seen along such waterways as Magazine Branch, Sugar Creek, Woodward Branch, Mink Shoal Run, Coopers Creek, Indian Creek, Pinch Creek, and Blue Creek. The majority of the damage in Charleston was from Magazine Branch along Garrison Avenue. Urban development on adjacent hilltops also aided the runoff into the hollow. This stream is piped underground about halfway down the hollow. The 8 foot diameter conduit could not handle the runoff, forcing the excess to run down the street, flooding homes on either side. The most damage in the hollow was below Rockaway Road. Three homes were moved off their foundations, many others received water damage. Several vehicles were also flooded.

Further northeast, stores, garages, and vehicles were flooded at the Pinch to Quick intersection. Six to 8 mobile homes were knocked off their foundations by flood waters along Turner Road near Elkview.

This flood was the initial event, that when combined with additional flash flooding in June, prompted a federal disaster declaration. See FEMA's declaration number 1474 for the specifics.



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WEST VIRGINIA, West

Lincoln County

Harts	14	1505EST 1630EST			0 0	25K	Flash Flood
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Creeks such as Big Harts and Frances flooded. Private bridges and outbuilding were damaged. About 4 homes had minor water damage.

Taylor County

Knotsville	14	1520EST 1630EST			0 0	5K	Flash Flood
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Roads were flooded by small streams. No dwellings were affected.

Logan County

Chapmanville to Mitchell Hgts	14	1530EST 1730EST			0 0	20K	Flash Flood
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Small streams feeding into the Guyandotte River flooded several roads.

Gilmer County

Normantown	14	1630EST 1800EST			0 0	25K	Flash Flood
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A mobile home was flooded along Route 33, by the headwaters of Steer Creek.

Kanawha County

Pocatalico to Sissonville	14	1640EST 1800EST			0 0	30K	Flash Flood
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Water overflowed onto Routes 21 and 622 from small streams. A few homes sustained water damage.

Putnam County

South Portion	14	1645EST 1830EST			0 0	600K	Flash Flood
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Streams overflowed from Teays Valley on south. A rain gauge in Hurricane measured 2.7 inches of rain in 1 hour. One mobile home was destroyed, about a dozen other homes had major damage. One church and a public pool were also damaged.

Cabell County

Culloden	14	1700EST 1830EST			0 0	25K	Flash Flood
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Roads along Ball and Charley Creeks flooded.

Doddridge County

West Portion	14	1930EST 2100EST			0 0	10K	Flash Flood
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Small streams, such as Nutter Fork and Piggin Run, flooded. Route 18 was blocked by high water.

Wood County

Parkersburg	14	1930EST 2100EST			0 0	10K	Flash Flood
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Localized downpours of 1.5 to 2.5 inches hit the city during the evening. A few basements received water damage, while roads were flooded.

Kanawha County

Pocatalico to Charleston	16	0345EST 1100EST			0 0	7M	Flash Flood
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The initial flooding began along Grapevine Creek and Legg Fork in the Sissonville and Pocatalico region, but shifted southeast after dawn. The flooding became more severe after 0730E in the area from Charleston northeast toward Rutledge and Pinch. The axis of the heaviest rain was slightly east of the flash flood on the 11th. However, both flood events hit the Pinch vicinity hard. The airport was on the western edge of the heavy rain this Monday morning, measuring 1.9 inches between 0600-1000E. Amounts of 2.5 to 3.5 inches likely fell just to the east and northeast of the airport, with isolated amounts of 3.5 to 4 inches possible in those 4 hours. A National Weather Service employee measured 3 inches of rain on Valley Grove Branch near Rutledge.

Severe flash flooding hit Elk Two Mile, mainly downstream of its junction with Valley Grove Branch at Rutledge. This severe flash flooding also included the Baker Fork tributary. Other hard hit streams included Mill Creek, Indian Creek, Pinch Creek, and Blue Creek.



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WEST VIRGINIA, West

Businesses, plus the Kanawha County Animal Shelter, and a state and federal office building were flooded along Route 114. Some buildings had 4 feet of water inside. Employees of the Federal Express office sought refuge, from the rising water, on their flat rooftop. Passengers arriving at Yeager Airport could not leave the hilltop. Meanwhile, no one could get to the airport to catch departing planes.

An American Red Cross survey, including the events on the 11th and 16th, had 46 homes destroyed, over 150 homes with major damage. Around 50 apartment units were also destroyed or heavily damaged. Many vehicles were flooded, some washed into the stream bed.

The 2 flash floods on the 11 and 16th, contributed greatly to Charleston's monthly rain amount of 9.9 inches. It was the second wettest June on record at Charleston.

Nicholas County

Drennen

16	0830EST 1030EST	0	0	200K	Flash Flood
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Peters Creek and small tributaries such as Jones Branch flooded. Rain amounts of 2 to 3 inches likely fell. Two homes sustained major damage.

Boone County

South Portion

16	1645EST 2100EST	0	0	3M	Flash Flood
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The Pond Fork drainage from Wharton thru Bob White, Van, and Quinland, on toward Madison was hit hard. Route 85 was flooded and damaged. American Red Cross surveyed 46 mobile homes destroyed and 8 single family dwellings destroyed. State officials surveyed 10 to 15 businesses damaged.

Mingo County

Breeden

16	1645EST 1800EST	0	0	500K	Flash Flood
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The headwaters of Twelvepole Creek flooded. Downpours, containing 3 to 3.5 inches of rain in less than 90 minutes, skirted northern Mingo County before moving toward western Logan County. Evacuations took place along McCloud Branch. The American Red Cross surveyed 4 single family dwellings and 3 mobile homes destroyed.

Logan County

West Portion

16	1650EST 1800EST	0	0	4M	Flash Flood
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Localized downpours caused severe flash flooding from Hoover Branch of Big Harts Creek on northeast, through the Chapmanville vicinity. The Big Creek drainage, including North Fork, Garrett Fork, and Rocklick Branch, were flooded. Godby Branch also flooded. American Red Cross surveyed 12 single family dwellings and 4 mobile homes destroyed. Major damage occurred to 34 single family homes. In addition, 16 mobile homes had major damage. Some residents along Garrett Fork, sat on their roofs awaiting rescue. In the June flash flooding, damage to private homes in Logan County was second, only to Kanawha County.

Wayne County

Dunlow

16	1715EST 1845EST	0	0	350K	Flash Flood
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Twelvepole Creek flooded. Route 52 was damaged. About a dozen homes had major damage.

Mason County

Southside

16	1730EST 1900EST	0	0	100K	Flash Flood
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Southside measured 3.4 inches of rain. Evacuations were required in a mobile home park.

Putnam County

Robertsburg

16	1800EST 1930EST	0	0	15K	Flash Flood
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Localized downpours of 2 to 3 inches fell in an hour. Roads were flooded by the small creeks feeding into Eighteenmile Creek from the Mason County line.



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WEST VIRGINIA, West

Cabell County

Dudley Gap	16	1820EST 1930EST			0	0	50K		Flash Flood
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Private bridges and a church were flooded along small creeks, such as Jenkins Branch.

Logan County

Chapmanville	17	2315EST 2345EST			0	0	20K		Flash Flood
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Godby Branch flooded Route 10. One house was evacuated.

Wayne County

Crum	17 18	2345EST 0015EST			0	0	10K		Flash Flood
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Small streams flooded and closed roads, but did not affect nearby dwellings.

Mason County

North Portion	19	1620EST 1700EST			0	0	250K		Flash Flood
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Flooding occurred around New Haven, Letart, and Upper Flats. A few evacuations were required. Combined with the downpour on the 16th, Mason County had 7 mobile homes destroyed.

Mcdowell County

Iaeger	28	1926EST			0	0			Hail(1.00)
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Wyoming County

Cyclone	28	2025EST			0	0			Hail(1.00)
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